

	Chiral	6.2	1600	258	3
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Please delete the paragraph at page 45, lines 15-18, and replace such deleted paragraph with the following paragraph:

Substrate (DNP-Pro-Cha-Gly-Cys(Me)-His-Ala-Lys(NMA)-NH₂) (hereinafter SEQ ID No: 2) is made as a 5 mM stock in dimethyl sulfoxide and then diluted to 20 mM in assay buffer. The assay is initiated by the addition of 50 μ l substrate per well of the microfluor plate to give a final concentration of 10 μ M.

Please delete the paragraph at page 45, lines 33-35, and replace such deleted paragraph with the following paragraph:

Inhibition of gelatinase activity is assayed using the SEQ ID No: 2 substrate (10 μ M) under the same conditions as inhibition of human collagenase (MMP-1).

Please delete the paragraph at page 46, lines 11-15, and replace such deleted paragraph with the following paragraph:

Inhibition of stromelysin activity is based on a modified spectrophotometric assay described by Weingarten and Feder (Weingarten, H. and Feder, J., Spectrophotometric Assay for Vertebrate Collagenase, Anal. Biochem. 147, 437-440 (1985)). Hydrolysis of the thio peptolide substrate [Ac-Pro-Leu-Gly-SCH[CH₂CH(CH₃)₂]CO-Leu-Gly-OC₂H₅] (hereinafter SEQ ID No: 3) yields a mercaptan fragment that can be monitored in the presence of Ellman's reagent.

Please delete the paragraph at page 47, lines 12-15, and replace such deleted paragraph with the following paragraph:

Substrate (Dnp-Pro-Cha-Gly-Cys(Me)-His-Ala-Lys(NMA)-NH₂) (hereinafter SEQ ID No: 2) is prepared as for inhibition of human collagenase (MMP-1) and 50 μ l is added to each well to give a final assay concentration of 10 μ M. Fluorescence readings (360 nM excitation; 450 emission) are taken at time 0 and every 5 minutes for 1 hour.

Please delete the paragraph at page 50, lines 2-4, and replace such deleted paragraph with the following paragraph:

Inhibition of 92 kD gelatinase (MMP-9) activity is assayed using the Mca-Pro-Leu-Gly-Leu-Dpa-Ala-Arg-NH₂ (hereinafter SEQ ID No: 1) substrate (10 μ M) under similar conditions as described above for the inhibition of human collagenase (MMP-1).

Please delete the paragraph at page 50, lines 22-27, and replace such deleted paragraph with the following paragraph:

A five mM dimethylsulfoxide stock solution of substrate SEQ ID No: 1 is diluted in assay buffer to 20 μ M. The assay is initiated by addition of 50 μ L of diluted substrate yielding a final assay